CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

COUNTRY : GERMANY/USSR 25X1

DATE DISTR. 4 JUN 52

SUBJECT : [redacted] Additional Data on Lisskhimstroi Plant (Severe-Donetsk) ion

NO. OF PAGES 4

PLACE ACQUIRED

25X1 NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED

25X1 SUPPLEMENT TO REPORT NO.

DATE OF INFORMATION

THIS IS UNEVALUATED INFORMATION

[redacted]

25X1 USSR

25X1 1. [redacted] Lisskhimstroi plant [redacted]

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25X1 2. [redacted]

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3. [redacted] only the ammonia oxidation plant was in operation and its production was probably

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quite negligible. The ammonia was shipped in from outside the plant [redacted] The production of ammonia had not begun because the power plant was not yet in operation. According to plan, the power plant was to start operations in fall 1951.

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[redacted]

4. [redacted]

Both hydrogen and nitrogen were produced at the plant itself. Nitrogen was obtained from liquid air and producer gas synthesis, and hydrogen was obtained from water gas synthesis.

5. [redacted]

The equipment used at Lisskhimstroi was equipment which had been dismantled from Leuna. The type of steam boilers which were to be installed at Lisskhimstroi had a capacity of 50 tons of steam per hour, but I do not know their number. The compressors were standard Leuna compressors with a capacity of 1900 cbm per hour for 100 thrusts per minute. I do not know the number of compressors, however, which were used or planned. Two large absorbers were visible from outside of the plant [redacted]

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6. [redacted]

Processes, pressures and catalysts, similar to those used at Leuna, were probably planned for Lisskhimstroi. The presence of Leuna scientists, Leuna equipment and Leuna literature suggests that Leuna methods were to be followed.

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7. [redacted]

25X1 [redacted] The close proximity of an explosives factory at Yushnaya Grupa (Plant No 20) /Yushnaya Grupa is about 8 km from the Lisskhimstroi plant/ where [redacted] Hexogen was to be produced [redacted] As the production of ammonia was definitely planned at Lisskhimstroi, and since the plant for the production of highly concentrated nitric acid dismantled from Leuna was probably taken there, and since the production of formaldehyde was among the assignments given to the German scientists at Lisskhimstroi, it was assumed that the plant at Lisskhimstroi was shipping some of its raw materials, possibly ammonium nitrate, to nearby Yushnaya Grupa, where explosives were made.

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8. [redacted]

The Soviets disseminated questionnaires requesting that we give information regarding chemical processes used at Leuna, including the manufacture of methanol. From this, [redacted] the production of methanol was contemplated at Lisskhimstroi. [redacted]

9. [redacted]

Electric power was supplied from the Don Soda plant at Pereyesdnaya [redacted] When the plant begins full scale production, [redacted] the power will be supplied by the Lisskhimstroi's own power plant. The only raw material shipped into the plant [redacted] was ammonia which [redacted] had come from the coke plant at Golovka. Between 8-10 thousand people were employed at the plant; most of these people, however, were engaged in the actual construction of the plant, and not in its operation.

10. [redacted]

11. [redacted]

[redacted] the Leuna plant for the production of adipic acid had been shipped to Dzerzhinsk where Drs Striegler and Meier were working on plastics and had a pilot plant for the production of caprolactam. (Caprolactam is used in the production of the polyamide, Perlon.)

12. [redacted]

Although no urea pilot plant was operating at Lisskhimstroi [redacted] German scientists were requested to design a urea pilot plant. [redacted] the commercial production of urea is planned at Lisskhimstroi. All literature which was removed from Heydebrek on the production of urea, was kept at Lisskhimstroi. [redacted]

[redacted]

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